



AECOM
100 S. Wacker Drive, Suite 500
Chicago, Illinois 60606

312-939-1000 tel
312-939-4198 fax

June 15, 2015

Mr. Mike Jouras
People's Gas Light & Coke Co.
Environmental Services Department
130 East Randolph, 22nd Floor
Chicago, IL 60601

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 563175035
Permit Address: 399 East 26th Street
AECOM Project No. 60157647

Dear Mr. Jouras:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on May 28, 2015 for an excavation on the street to install sacrificial anodes to the existing Peoples Gas line in order to prevent corrosion.

Surveying was performed on the soil removed from an 18-inch vacuum excavated borehole at South Martin Luther King Drive and East 26th Street (see sketch) to a depth of 3-feet below ground surface required for installation of the anode protection on the existing gas service piping. For this excavation a vacuum truck was used to remove the soil, therefore the probe had to be lowered into the borehole at 12 to 15-inch intervals. Backfill in the vicinity of the gas main was primarily tan sandy fill soil.

A cleanup criterion has not been approved for this area by the USEPA. Therefore, the USEPA has requested that the field instrument threshold for potentially radiologically contaminated material conservatively be set at approximately twice the field instrumentation background. Gamma radiation count measurements for the project were made using Ludlum Model 2221 survey meter and an unshielded 2 x 2 inch NaI probe (Model 44-10). The field instrumentation gamma background for the surrounding area outside the excavation based on multiple measurements using an unshielded probe was approximately 5,529 counts per minute (cpm). Thus, twice this field instrumentation background, or 11,058 cpm, was considered as the conservative indicator of potential contamination.

The excavation/borehole monitoring revealed no gamma counts above twice the field instrument background. The field gamma measurements within the borehole ranged from a minimum of 5,200 cpm to a maximum of 6,800 cpm unshielded. Thus, there was no indication of the presence of radiologically contaminated material and/or an exceedance of twice the project specific field instrument background.

As part of the permit conditions, this letter has been forwarded to:

Chicago Department of Public Health
Attention: Ms. Rahmat Begum
333 South State Street, Room 200
Chicago, Illinois 60604

Please contact us with any questions you have regarding this letter or the reported results.
Regards,



Naren Babu, P.E.
Environmental Engineer



Steven C. Kornder, Ph.D.
Senior Project Geoscientist

cc: Rahmat Begum, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: Permit
Sketch

PERMIT

Permit # 563175035

AMENDED



Received Date: May 11, 2015 9:48:4

**PEOPLES GAS LIGHT & COKE CO
130 EAST RANDOLPH
DRIVE
CHICAGO, IL 60601**

**City of Chicago
Department of Transportation
(312) 744-4652**

BUDZINSKI, LAURA 773-542-7830

ACTIVITY HOURS

Permitted activity hours begin at 7:00 A.M. Permitted activity hours will end at 4:00 P.M. ANY WORK ON ARTERIAL STREETS MUST ADHERE TO ALL RUSH HOUR RESTRICTIONS. 398 - 399 E 26TH ST Street Opening (Sidewalk, Parkway, Curb Lane & Traffic Lane)

DATES

May 14, 2015 through Jun 14, 2015

ACTIVITIES

**Street Opening
(Sidewalk, Parkway, Curb Lane & Traffic Lane):**

Dig #: TBD

There will be 1 opening(s) in the public way for the purpose: CUAN DIG.

5 Feet x 3 Feet x 3 Feet

Excavation may commence on - NO SOONER.

398 - 399 E 26TH ST

MEADE ELECTRIC; PGL Stand <88234> CORR WORK

ENVIRONMENT SIGN OFF BY RAHMAT BEGUM 5/14/15

Restrictions:

1. A copy of the permit must remain on-site for inspector's review.

Restrictions:

2. Permit fees must be paid within 24 hours of the date of issuance. Failure to pay will result in you being considered in violation of the terms and agreement of the permit and subject to any applicable fine and fees as if you never attained a permit. Additionally, you will still be responsible for the cost of the original permit. Monthly billing accounts are not applicable to the 24 hour payment criteria but failure to pay the monthly bill by the due date will result in the same penalties applying.
3. All directional boring must be pre-approved by the Office of Underground Coordination.
4. Contractor must secure plating over all openings in the roadway and secure all sidewalk/parkway openings during non-working hours until such time when the road surface is restored.
5. All traffic control will be the responsibility of the contractor and must comply with all MUTCD standards.
6. Restore all lanes to normal operation during non-working hours.
7. Must use flagmen and/or arrow boards to maintain traffic operations through the work zone.
8. Contractor must notify DIGGER at 312-744-7000 no less than 48 hours (exclusive of Saturdays, Sundays and Holidays) but no more than 14 calendar days in advance of the start of the excavation or demolition, unless the excavation date was provided with the application and remains unchanged. Prior to 26 calendar days the Contractor must notify DIGGER to renew the dig date!
9. It is the Excavator's responsibility to request refreshing of marks when needed, but no longer than 28 calendar days after the last requested date.
10. When applicable, all excavation areas are to be clearly marked in safety white paint prior to calling DIGGER. White paint is not required for joint meets or emergency work.
11. Excavators requesting dig tickets are responsible for the protection of utility markings at the job site. Any markings of underground utilities utilizing utility colors, must be done by facility owners or authorized agents only.
12. Pursuit to City Ordinances 8-32-140 through 170 use of pneumatic equipment must not begin before 8:00 A.M. or continue after 8:00 P.M.
13. Permittee must provide a sign which identifies the telephone number and company or person performing the work. Signage may be affixed to barricades.
14. Permanent base pavement restoration to follow within 5 days after the completion of underground work.
15. All pavements and pavement markings are to be restored in accordance with CDOT Construction Standards.
16. All street openings must be restored with concrete base to grade.
17. Work to be performed as per plans and specifications.
18. Streets recently resurfaced must be restored to proper standards (resurface to nearest 1/4 pt, see CDOT Construction Standards for further details).
19. WARNING: THIS WORKSITE(S) CONTAINS RADIOACTIVE MATERIAL. ANY QUESTIONS PERTAINING TO HANDLING OF MATERIALS, CONTACT THE DEPT. OF ENVIRONMENT AT 312-744-3152.
20. BIKE FACILITY: On streets with bike markings and/or bike signage the CDOT Bike Program

Restrictions:

can provide existing pavement marking plans and details. Please contact CDOT Bike Program representative Bradley Topol in advance of activity to ensure restoration of pavement markings. Contact at (312) 744-0513 or at CDOTBikes@cityofchicago.org

SHARED LANE YIELD TO BIKES signs must be posted if bike traffic is shared with vehicular traffic. Please see the CDOT Rules and Regulations For Construction in the Public Way for more guidance on bike temporary traffic control.

21. No work in or use of the public right of way is to be done when a special event is taking place. It is up to the applicant to determine if an event is scheduled. To obtain a listing of programs or events within the City of Chicago please dial 311 when you are within the City boundaries.
22. It is the responsibility of the applicant to fund Traffic Control Aides if the City deems it necessary due to heavy congestion situations.
23. Pursuit to City Ordinances 10-20-150 and 10-28-281.3 a re-inspection fee of \$100 may be assessed for each inspection conducted after the initial inspection.
24. All metal plates used for public way construction or placed within the right-of-way must indicate Ownership!

Street Opening (Sidewalk, Parkway, Curb Lane & Traffic Lane)

05-14-2015 - Fee Pavement Opening

CBD:	N	Cost Per EA:	\$ 454.00	CAPS:	300-84-2135-256
Tiered:	N	# Of EA:	1.00	Late charge:	\$.00
Mora:	N			Amount:	\$ 454.00

Total Fees: \$ 454.00

Grand Total Fees: \$ 454.00

Affected CUAN Sites: 5, 15, 21, 22, 24, 28, 29, 34, 35, 41, 53, 61, 68, 70, 71, 79, 144, 148, 157

EFFECTIVE DATES OF PERMIT

Current: May 14, 2015 through Jun 14, 2015 (Input date: May 11, 2015 2:32:56 p.m.)
Previous: May 11, 2015 through Jun 14, 2015 (Input date: May 14, 2015 2:32:44 p.m.)
Previous: May 11, 2015 through Jun 10, 2015 (Input date: May 11, 2015 9:48:04 a.m.)

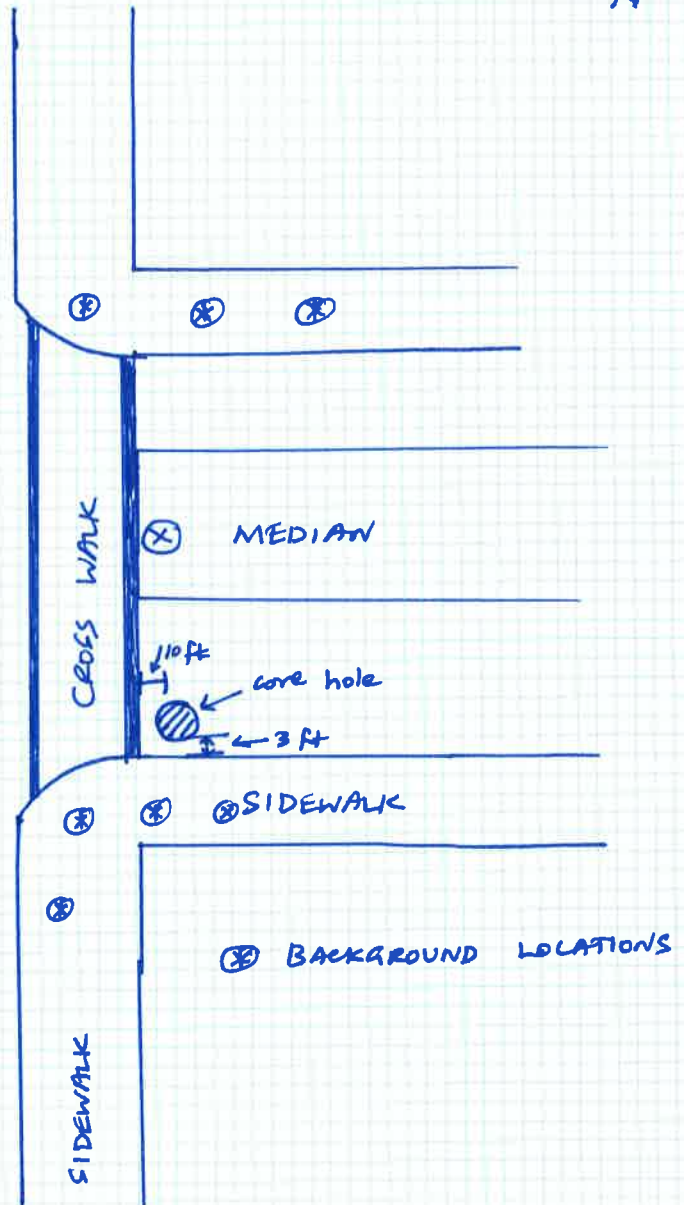
END OF PERMIT

SKETCH

JOB TITLE 399 E 26th Street - Integrity
 JOB NO. 60157647 Task 60 CALCULATION NO. _____
 ORIGINATOR Naren Bahr DATE 05-29-2015
 REVIEWER SCK DATE 05-29-2015
 SCALE Not to Scale SHEET NO. 1 OF 1

depth	counts per minute
12"	6245
24"	6128
36"	6781

MLK DRIVE
 NORTHBOUND



Max depth of excavation - 36"

Clear tan sand material around metal gas service line

Ludlum Serial # 176944 / RN21187
 Calibrated 10/17/14
 Cutoff 18,279 cpm (7.1 pCi/gm)